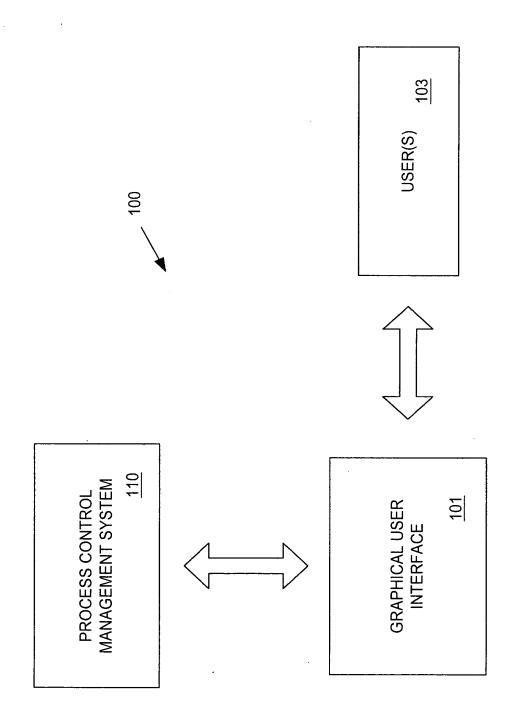PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 1 of 14

100

PROCESS CONTROL
MANAGEMENT SYSTEM
110

GRAPHICAL USER
INTERFACE
101

USER(S)
103

FIG. 1

300

Application

File Edit View Insert Format Tools Shape Window Help

PROCESS CONTROL
MENU

306
PROCESS STEP 1

306
PROCESS STEP 2

306
PROCESS STEP 3
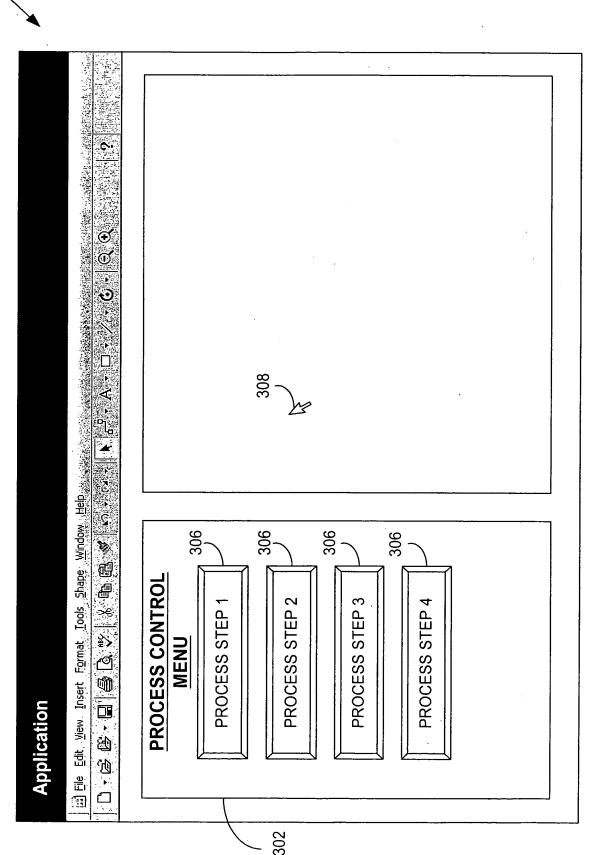
306
PROCESS STEP 4

302

308

FIG. 2

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 3 of 14

MEMORY 104

APPLICATION(s) 108

OPERATING SYSTEM 106

PROCESS CONTROL MANAGEMENT SYSTEM 110

PROCESSING DEVICE 102

LOCAL INTERFACE

120

NETWORK INTERFACE DEVICE(S) 112

INPUT/OUTPUT DEVICES 114

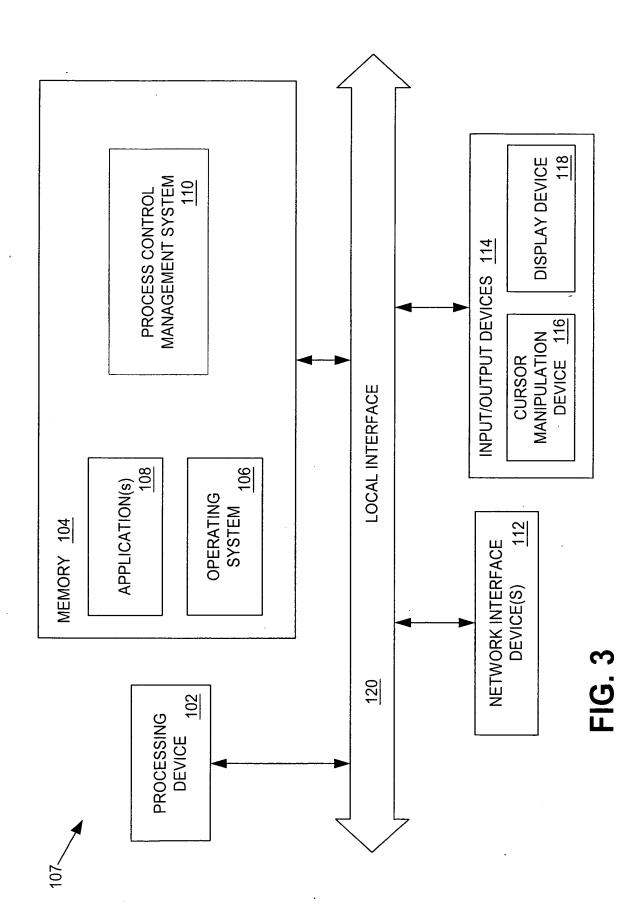CURSOR MANIPULATION DEVICE 116

DISPLAY DEVICE 118

107

FIG. 3

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 4 of 14

FIG. 4

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 5 of 14
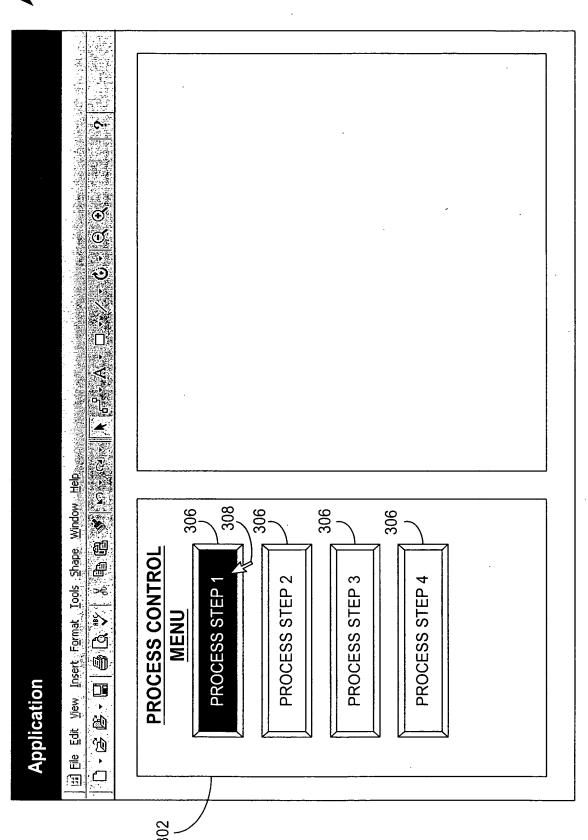
300

Application

File Edit View Insert Format Tools Shape Window Help

PROCESS CONTROL
MENU

302

306
308
PROCESS STEP 1

306
PROCESS STEP 2

306
PROCESS STEP 3

306
PROCESS STEP 4

FIG. 5

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 6 of 14

300

Application

File Edit View Insert Format Tools Shape Window Help

PROCESS CONTROL
MENU

302

PROCESS STEP 1   306

PROCESS STEP 2   306

PROCESS STEP 3   306

PROCESS STEP 4   306

308

FIG. 6

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
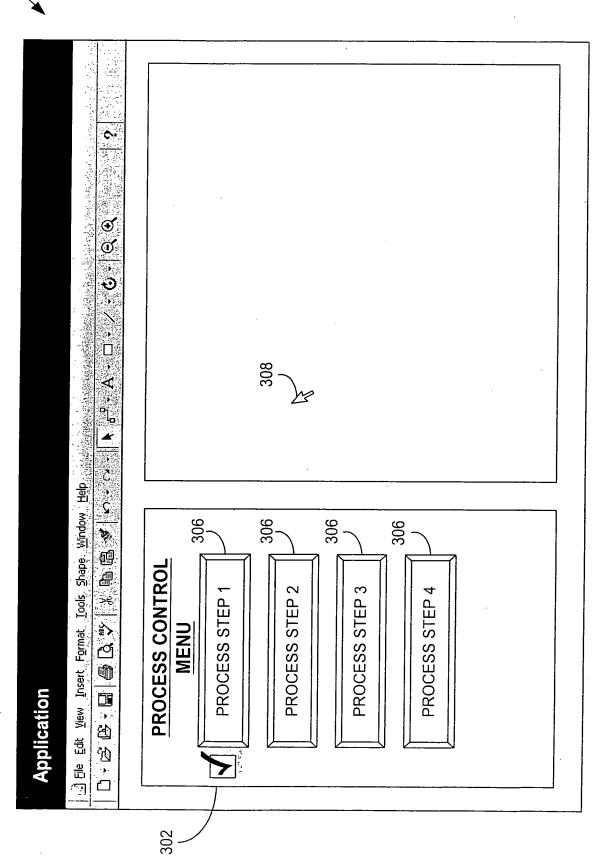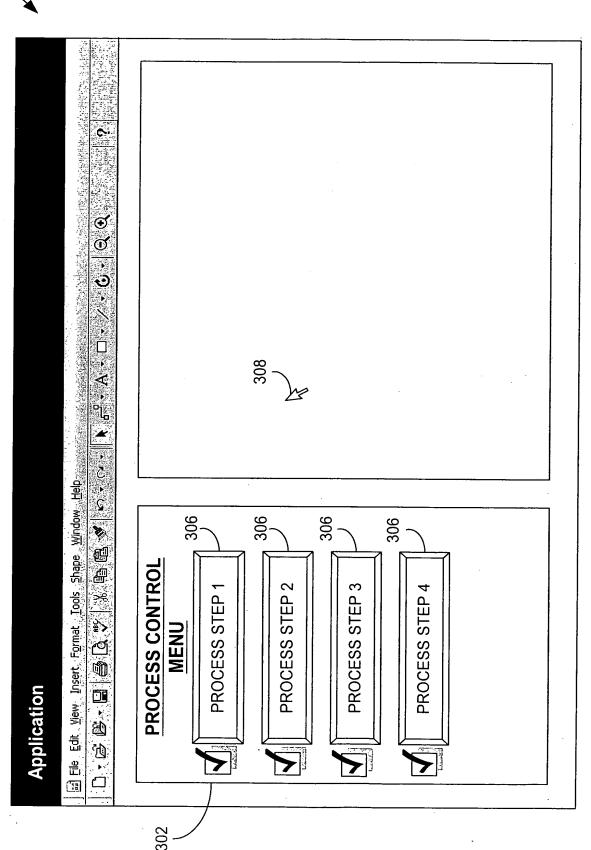Managing Process Control in a
Graphical User Interface
Page: 7 of 14

300

Application

File Edit View Insert Format Tools Shape Window Help

PROCESS CONTROL
MENU

PROCESS STEP 1   306

PROCESS STEP 2   306

PROCESS STEP 3   306

PROCESS STEP 4   306

308

302

FIG. 7

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 8 of 14

300

Application

File Edit View Insert Format Tools Shape Window Help

PROCESS CONTROL
MENU

PROCESS STEP 1 — 306 / 308

PROCESS STEP 2 — 306

PROCESS STEP 3 — 306

PROCESS STEP 4 — 306

302

FIG. 8

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 9 of 14

300
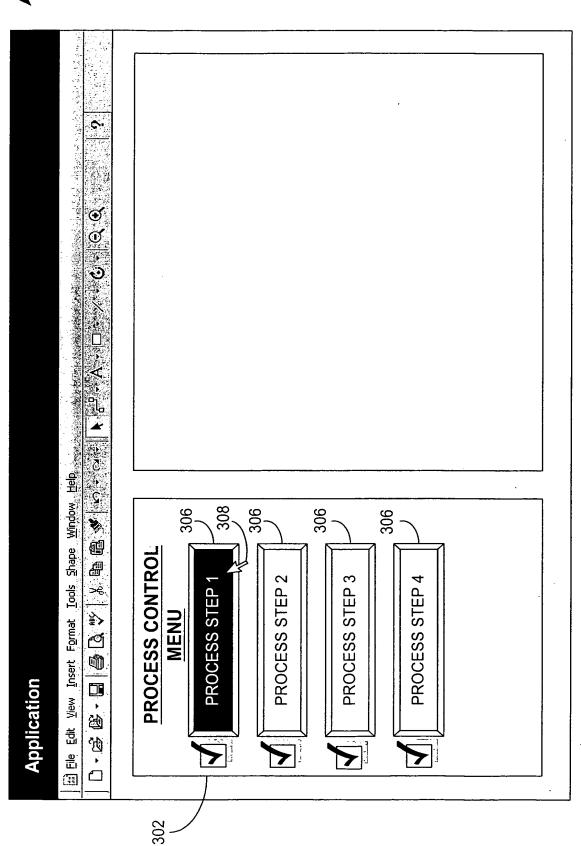
Application

File Edit View Insert Format Tools Shape Window Help

PROCESS CONTROL
MENU

PROCESS STEP 1

PROCESS STEP 2

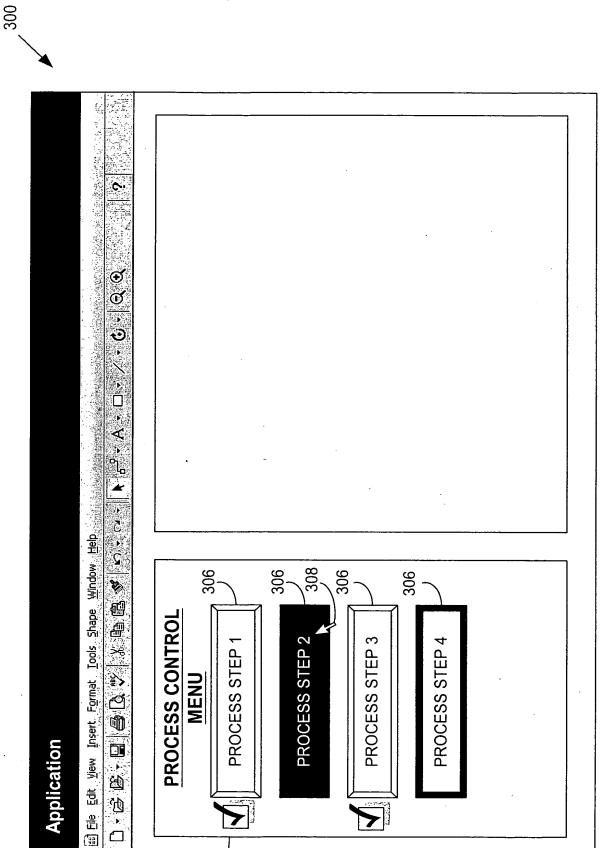PROCESS STEP 3

PROCESS STEP 4

306
308
306
306
306

302

FIG. 9

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 10 of 14

300

Application

File Edit View Insert Format Tools Shape Window Help

PROCESS CONTROL
MENU

PROCESS STEP 1	306
PROCESS STEP 2	306 308
PROCESS STEP 3	306
PROCESS STEP 4	306

302

FIG. 10

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
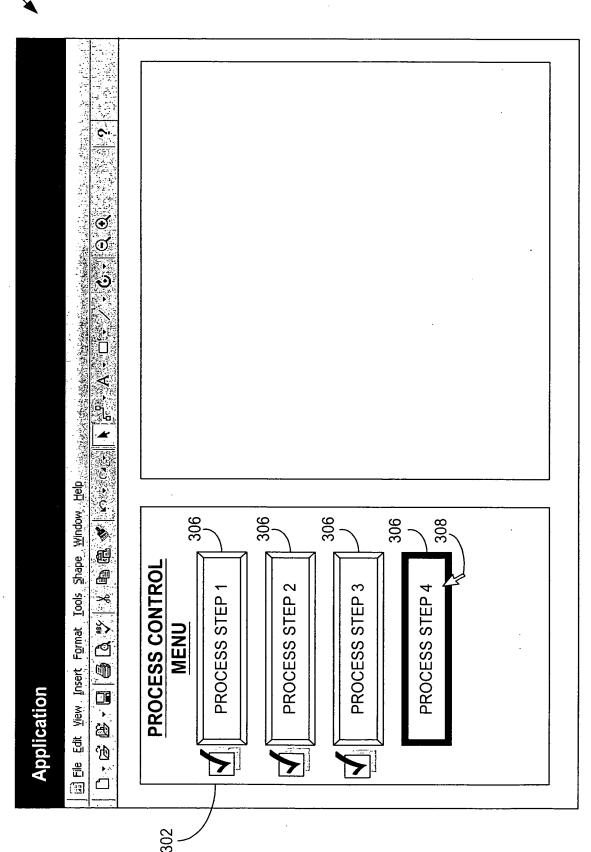Graphical User Interface
Page: 11 of 14

300

Application

File Edit View Insert Format Tools Shape Window Help

PROCESS CONTROL
MENU

PROCESS STEP 1 — 306

PROCESS STEP 2 — 306

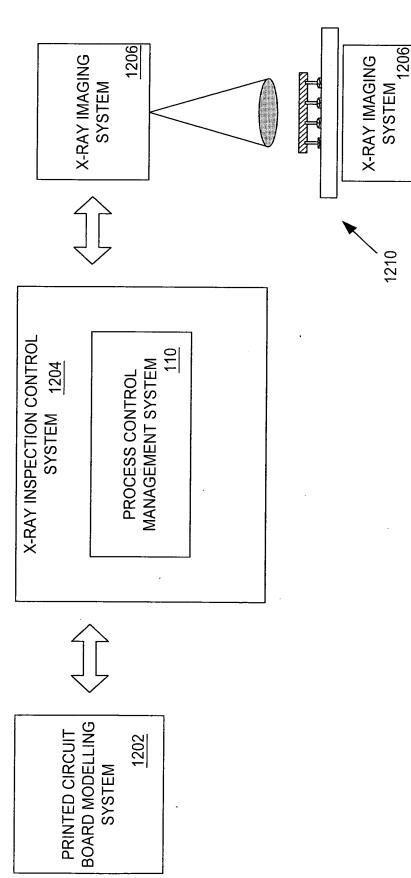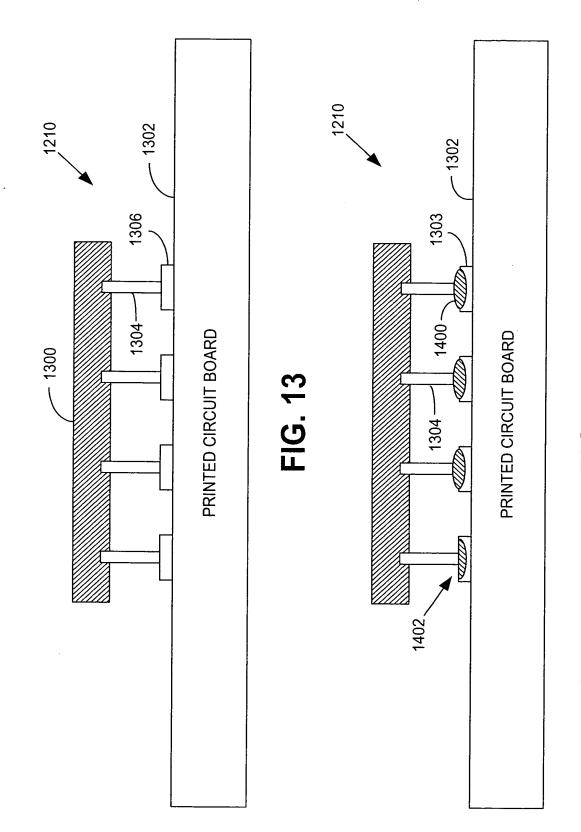PROCESS STEP 3 — 306

PROCESS STEP 4 — 306

308

302

FIG. 11

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 12 of 14

PRINTED CIRCUIT
BOARD MODELLING
SYSTEM 1202

X-RAY INSPECTION CONTROL
SYSTEM 1204

PROCESS CONTROL
MANAGEMENT SYSTEM
110

X-RAY IMAGING
SYSTEM 1206

1210

X-RAY IMAGING
SYSTEM 1206

FIG. 12

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 13 of 14

FIG. 13

FIG. 14

PD NO: 10011292-1
Inv: Bruce Allan Makinen
Title: Systems and Methods for
Managing Process Control in a
Graphical User Interface
Page: 14 of 14

FIG. 15